

ABSTRACT OF THE DISCLOSURE

This invention relates to an ink jet printing method comprising the steps of:

- A) providing an ink jet printer that is responsive to digital data signals;
- 5 B) providing an ink jet printhead comprising a nozzle array comprising a plurality of nozzles, said nozzle array being dedicated to ejecting a given ink jet ink composition, wherein said nozzles are 20 microns or less in diameter;
- C) supplying said printhead with said given ink jet ink composition, said ink jet ink composition comprising particles wherein at least 90% by weight of
10 said particles have a diameter that is less than $1/120^{\text{th}}$ of the diameter of said nozzles; and
- D) printing using said given ink jet ink composition in response to said digital data signals. It further relates to an ink supply system comprising printed instructions directing that the ink jet supply system be used with an ink jet printer
15 comprising an ink jet printhead comprising a nozzle array comprising a plurality of nozzles, said nozzle array being dedicated to ejecting a given ink jet ink composition, wherein the nozzles are 20 microns or less in diameter; and said ink jet supply system further comprising said given ink jet ink composition comprising particles wherein at least 90% of the particles are less than $1/120^{\text{th}}$ of
20 the diameter of said nozzles. It further relates to an ink jet ink supply system comprising an ink jet ink supply and a printhead meeting the above parameters, and an ink jet printer comprising a printhead and an ink jet ink supply meeting the above parameters.